

ABSTRACT

5 The invention provides systems and methods that include, *inter alia*, wireless communication systems that integrate wireless receivers and transmitters with host computer platforms and that include a data access channel that delivers into the memory space of an application program digital data that is representative of a base band modulated signal. Accordingly, these systems can employ wideband digitization of an incoming signal, such as an RF signal, direct the
10 digitized data into the application memory space of a general purpose workstation, and allow an application program operating on the general purpose work station to perform the digital signal processing that obtains the information encoded within the digitized signal.